

DEC 29 2003

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Express Mail Label No. EV 416449053 US

Sheet

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of

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Complete if Known	
Application Number	10/680,649
Filing Date	October 7, 2003
Confirmation Number	To Be Assigned
First Named Inventor	Robert A. Holton
Group Art Unit	To Be Assigned 1614
Examiner Name	To Be Assigned
Attorney Docket No.	FSUM 10442.19

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
CM	1.	4,960,790		Stella et al.	10-02-1990
	2.	5,175,315		Holton	12-29-1992
	3.	5,227,400		Holton et al.	07-13-1993
	4.	5,243,045		Holton et al.	09-07-1993
	5.	5,250,683		Holton et al.	10-05-1993
	6.	5,283,253		Holton et al.	02-01-1994
	7.	5,350,866		Holton et al.	09-27-1994
	8.	5,407,683		Shively	04-18-1995
	9.	5,430,160		Holton	07-04-1995
	10.	5,438,072	A	Bobee et al.	8-01-1995
	11.	5,439,686		Desai et al.	08-08-1995
	12.	5,478,860		Wheeler et al.	12-26-1995
	13.	5,527,537		Dietl	06-18-1996
	14.	5,616,330		Kaufman et al.	04-01-1997
	15.	5,681,846		Trissel	10-28-1997
	16.	5,714,513		Holton et al.	02-03-1998

Examiner Signature	CM	Date Considered	3-20-04
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17.	5,721,268		Holton et al.	02-24-1998
18.	5,877,205		Andersson	03-02-1999
19.	5,922,754		Burchett et al.	07-13-1999
20.	5,925,669		Katz et al.	07-20-1999
21.	5,929,030		Hamied et al.	07-27-1999
22.	5,965,603		Johnson et al.	10-12-1999
23.	5,972,992		Carver et al.	10-26-1999
24.	5,977,164		Carver et al.	11-02-1999
25.	6,140,359		Carver et al.	10-31-2000
26.	6,359,154	B2	Holton	03-19-2002
27.	6,596,737	B2	Holton et al.	07-22-2003
28.	6,610,860	B2	Holton	08-26-2003
29.	6,638,973	B2	Holton	10-28-2003
30.	6,649,632	B2	Holton	11-18-2003
31.	6,660,866	B2	Holton	12-09-2003
32.	6,664,275	B2	Holton	12/16/03
33.	2001/0029264	A1	McChesney-Harris	10-11-2001
34.	2002/0058616	A1	Broder et al.	05-16-2002

Examiner Signature	<i>CDM</i>	Date Considered	3-20-04
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
CJM	35.	WO	94/13655	A1	The Upjohn Company	06-23-1994	
	36.	WO	95/11020	A1	Enzon, Inc.	04-27-1995	
	37.	WO	96/13495	A1	The Research Foundation of State University of New York	05-09-1996	
	38.	WO	96/38138	A1	Biophysica Foundation	12-05-1996	
	39.	WO	97/09979	A1	Florida State University	03-20-1997	
	40.	WO	97/32578	A1	The Research Foundation of State University of New York	09-12-1997	
	41.	WO	97/42181	A1	Florida State University	11-13-1997	
	42.	WO	98/02426	A1	Kabushiki Kaisha Yakult Honsha	01-22-1998	
	43.	WO	99/09021	A1	Florida State University	02-25-1999	
	44.	WO	99/14209	A1	Kabushiki Kaisha Yakult Honsha	03-25-1999	
	45.	WO	99/32473	A1	Kabushiki Kaisha Yakult Honsha	07-01-1999	
	46.	WO	00/53592	A1	Asahi Kasei Kogyo Kabushiki Kaisha	09-14-2000	
✓	47.	WO	00/78247	A1	Baker Norton Pharmaceuticals	12-28-2000	
	48.	EP	0 534 709	A1	Florida State University	03-31-1993	

Examiner Signature

CJM

Date Considered

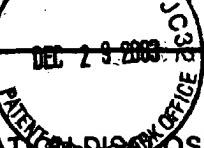
3-20-04

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Examiner Name	To Be Assigned
Attorney Docket No.	FSUM 10442.19

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
UW	49.	GUENARD et al. "Effects of the Hydrophobicity of Taxoids on their Interaction with Tubulin" Bioorganic & Medicinal Chemistry, Vol. 8 (2000) pp. 145-156.	
	50.	International Search Report for analogous PCT Application No. PCT/US01/03624 dated June 12, 2001.	
	51.	KANT et al. "A Chemoselective Approach to Functionalize the C-10 Position of 10-Deacetylbaicatin III. Synthesis and Biological Properties of Novel C-10 Taxol Analogs" Tetrahedron Letters, Vol. 35, No. 31 (1994) pp. 5543-5546.	
	52.	KIRIKAE et al. "Structural Significance of the Acyl Group at the C-10 Position and the A Ring of the Taxane Core of Paclitaxel for Inducing Nitric Oxide and Tumor Necrosis Factor Production by Murine Macrophages" FEBS Letters, Vol. 478 (2000) pp. 221-226.	
	53.	LIN et al. "Synthesis of Highly Potent Second-Generation Taxoids Through Effective Kinetic Resolution Coupling of Racemic β-Lactams with Baccatins" CHIRALITY, Vol. 12 (2000) pp. 431-441.	
	54.	OJIMA et al. "Efficient Asymmetric Synthesis of β-lactams Bearing a Cyclopropane or an Epoxide Moiety and Their Application to the Synthesis of Novel Isoxazoles and Taxoids" Journal of Organic Chemistry, Vol. 63, No. 2 (1998) pp. 224-225.	
	55.	OJIMA et al. "Synthesis and Biological Activity of Novel 3'-Trifluoromethyl Taxoids" Bioorganic & Medicinal Chemistry Letters, Vol. 7, No. 2 (1997) pp. 133-138.	
	56.	OJIMA et al. "Synthesis and Structure-Activity Relationships of New Second-Generation Taxoids" Bioorganic & Medicinal Chemistry Letters, Vol. 9 (1999) pp. 3423-3428.	
UW	57.	OJIMA et al. "Synthesis and Structure-Activity Relationships of the Second-Generation Antitumor Taxoids: Exceptional Activity Against Drug-Resistant Cancer Cells" Journal of Medicinal Chemistry, Vol. 39 (1996) pp. 3889-3896.	

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PTO/SB/08A		<i>REC'D 7-9-2003 10:15 AM PATENT &amp; TRADEMARK OFFICE</i>		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/680,649
(use as many sheets as necessary)				Filing Date	October 7, 2003
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Sheet	5	of	5	Attorney Docket No.	FSUM 10442.19

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